

ARNAV Globalstar Aeronautical Satellite Telephone RCOM-100 Receive/Transmit Unit

The ARNAV RCOM-100 SatPhone is an all-digital telephony system. It uses Qualcomm CDMA digital modulation to deliver high quality voice telephony without the time delay common to analog voice satellite systems and without the dropout associated with high bank angles and geographic positioning. An internal packet data modem supports and effective data delivery rate of 9600bps for economical and secure data access through the standard TCP/IP Internet connection capability. Type One Government Encryption is also available.



The ARNAV RCOM-100 R/T includes the remote mounted 2MCU SatPhone, installation kit and antenna. The included low profile, dual band antenna must be mounted on the upper centerline of the aircraft and may be placed within close proximity to other antennas without signal interference in most situations.



R/T SPECIFICATIONS	OTHER R/T FEATURES	
<p>Frequency Range – Forward link: 2434.39 to 2499.15 MHz. Reverse link: 1610.72 to 1625.49 MHz.</p> <p>Modulation – QUALCOMM CDMA Digital</p> <p>Voice Connection – Standard two-wire tip and ring, 600 Ohms AC impedance. 20Hz Ringer.</p> <p>Data Connection – PPP protocol with DHCP and DNS services over an RS-232, .9-pin serial connection with standard PC interface.</p> <p>Loop Battery - 16 VDC to 48 VDC. Loop current with 24 VDC is 30ma.</p> <p>Operating Temperature - -55c to +70c, antenna -55c to +85c.</p> <p>Operating Altitude – to 55,000 feet.</p> <p>Power requirement – 45 watts maximum, 5.5 watts typical when idle.</p> <p>Antenna Type – Low profile dual band patch.</p> <p>Antenna Material – 6061-T6 aluminum.</p> <p>Antenna Finish – Skydrol resistant enamel.</p>	<p>Internal GPS - Used for automatic flight following applications, (requires GPS antenna.)</p> <p>Internal BIT Test – Verifies correct operation of the RCOM-100 prior to operation.</p>	
	<th data-bbox="893 1134 1401 1176">SPECIFICATIONS</th>	SPECIFICATIONS
	<p>Chassis - Standard 2MCU</p> <p>LRU: Length: 13.58 inches, 34.50cm Width: 2.25 inches, 5.72 cm Height: 7.6 inches, 19.3 cm Weight: 6.00 Lbs, 2.72 Kg. Connector: 37-Pin Cannon</p> <p>Tray</p> <p>Weight: 1.00 Lbs, 454 Kg. Prime Power: 28VDC</p>	
	<th data-bbox="893 1501 1401 1543">OPERATIONAL TESTS</th>	OPERATIONAL TESTS
	<p>FAA: RTCA DO-160D/ DO-178B/ DO-262 Far 25 - Fire retardancy</p> <p>FCC: CFR 47 Part 25</p>	

ORDERING INFORMATION

Part: 453-8050 RCOM 100 Main Assembly
Part: 455-8050 Installation Tray, 2 patch antenna
Part: 455-8055 Installation Tray, 4 patch antenna,
(For dual RCOM-100 installations)